

## Constitution Beach, East Boston: Bacterial Water Quality 2017

Bacteria monitoring is conducted by the Massachusetts Dept. of Conservation and Recreation (DCR) during the swimming season. Bacteria samples are collected at several locations along the beach, and test results are available 24 hours later. High bacteria triggers a swimming advisory and repeated sampling until bacteria meet limits. Displayed are *Enterococcus* bacteria counts, with high counts in red. The maximum daily limit is **104** counts/100 mL.

A swimming advisory is declared by the DCR for the following day if:

- counts exceed 104 counts/100 mL limit at two or more locations;
- OR if daily rainfall exceeds 1 inch;
- OR if the 5-day running geometric mean exceeds 35 counts/100 mL (geometric mean of the previous 5 days' samples).

Daily rainfall totals from Logan Airport, National Weather Service raingauge

All results are in counts/100 mL and testing is performed by DCR.

Swimming advisories will be issued due to either high *Enterococcus* counts or heavy rainfall.

**Weekly sampling by DCR began May 25, 2017.**

	Daily Rainfall (in.)	North Site	Middle Site	Recreation Ctr.
May 25, 2017	0.63	6	<2	2
May 26, 2017	0.55	25	18	22
June 1, 2017	0.16	2	<2	<2
June 2, 2017	0.01	8	2	<2
June 8, 2017	0	<2	10	7
June 9, 2017	0	2	4	2
June 15, 2017	0	6	4	5
June 16, 2017	2.13	10	2	4
June 17, 2017	0.02	>2600	1470	>2600
June 19, 2017	0.03	<10	<10	20
June 20, 2017	0.13	<10	<10	<10
June 21, 2017	0	<10	30	<10
June 22, 2017	0	8	4	2
June 23, 2017	Trace	10	10	<2
June 24, 2017	0.08	20	20	20
June 25, 2017	Trace	8	<2	<2
June 26, 2017	0	<2	2	2
June 27, 2017	0.08	10	<10	<10
June 28, 2017	0	389	<10	<10
June 29, 2017	Trace	5	4	6
June 30, 2017	0.07	2	6	4
July 1, 2017	0.11	10	<10	<10
July 2, 2017	Trace	<10	10	20
July 3, 2017	Trace	<10	<10	10
July 4, 2017	0	<10	<10	10
July 5, 2017	0	<10	<10	<10
July 6, 2017	0	<2	<2	4
July 7, 2017	0.3	10	20	6
July 8, 2017	0.4	41	74	10
July 9, 2017	0	31	10	<10
July 10, 2017	Trace	86	31	63
July 11, 2017	0.17	331	10	10
July 12, 2017	1.33	74	158	<10
July 13, 2017	0.14	140	170	469
July 14, 2017	0	40	8	64
July 15, 2017	Trace	52	173	31
July 16, 2017	0	10	20	<10
July 17, 2017	0	41	<10	20
July 18, 2017	0.12	41	<10	<10
July 19, 2017	0	10	10	10
July 20, 2017	Trace	18	25	10
July 21, 2017	0	23	10	7
July 22, 2017	Trace	20	<10	10
July 23, 2017	0	<10	<10	<10
July 24, 2017	1.41	8	8	2
July 25, 2017	0.01	23	12	24
July 26, 2017	0	161	86	30
July 27, 2017	0.04	2	2	2
July 28, 2017	0	6	10	<10
July 29, 2017	0	4	20	<10
July 30, 2017	0	28	10	<10
July 31, 2017	0	<10	<10	<10
August 1, 2017	0	20	20	10
August 2, 2017	0.96	<10	<10	10
August 3, 2017	Trace	76	79	62
August 4, 2017	0	20	10	3
August 5, 2017	0.16	10	31	52
August 6, 2017	0	10	31	<10
August 7, 2017	Trace	<10	<10	10
August 8, 2017	0	<10	10	20
August 9, 2017	0	<10	<10	<10
August 10, 2017	0	15	4	5
August 11, 2017	0	12	2	17
August 12, 2017	0.1	521	439	20
August 13, 2017	0	<10	<10	<10
August 14, 2017	0	<10	<10	<10
August 15, 2017	0	<10	<10	10
August 16, 2017	0	<10	<10	<10
August 17, 2017	0	4	4	3
August 18, 2017	0.24	32	13	10
August 19, 2017	0.01	10	31	10
August 20, 2017	0	<10	<10	<10
August 21, 2017	0	<10	<10	<10
August 22, 2017	0	<10	31	10
August 23, 2017	0.04	20	20	63
August 24, 2017	0	16	37	<2
August 25, 2017	Trace	8	<2	7
August 26, 2017	0	<10	10	<10
August 27, 2017	0	<10	10	10
August 28, 2017	0	20	<10	<10
August 29, 2017	Trace	10	10	10
August 30, 2017	0.07	<10	98	110
August 31, 2017	0	<2	6	7
September 1, 2017	0	2	2	5
September 2, 2017	0	10	<10	20
September 3, 2017	0.28	20	<10	10